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MALDON
RURAL DISTRICT COUNCIL

Annual Report

OF THE

MEDICAL OFFICER OF HEALTH

FOR

1955

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RURAL DISTRICT COUNCIL

Annual Report
OF THE
MEDICAL OFFICER OF HEALTH

FOR

1955

W. H. HOULDERSHAW, LTD.,
SOUTHEND-ON-SEA.

PUBLIC HEALTH COMMITTEE, 1955

Chairman of the Council : Mr. A. M. Walker, J.P.

Vice Chairman of the Council : Mr. R. H. Beadle.

Chairman : Councillor Dr. J. G. Madden.

Vice Chairman : Councillor Mr. A. F. Ratcliff.

Members : Councillors Mrs. W. N. Nix.

Mr. J. C. Hurst.

Mr. G. H. Barber.

Mr. H. G. Butt.

Mr. J. Butt.

Mr. W. Binder, C.C.

Mr. A. Green.

Mr. A. E. Hampton.

Mr. G. W. Playle.

Mr. J. E. Willey.

PUBLIC HEALTH STAFF.

Clerk to the Rural District Council L. H. Hiscott

Medical Officer of Health ... Thomas D. Blott, B.Sc., M.B.,
B.S., D.P.H., who also acts
in this capacity for the Borough
of Maldon, Urban District of
Burnham-on-Crouch and the
Rural District of Chelmsford.

Surveyor and Water Engineer ... I. M. Nicholson, M.I.Mun.E.,
A.M.I.S.E.

Senior Sanitary Inspector ... G. L. Turner, M.R.San.I.
Qualified Inspector of Meat
and other Foods.

Additional Sanitary Inspector ... L. F. Newnham, M.R.San.I.,
Qualified Inspector of Meat
and other Foods.

Housing Assistant V. A. Arnold.

Clerk to Sanitary Inspectors ... Miss J. Cruess

Clerk to Medical Officer of Health Mrs. E. M. Rezelman.
(Part-time).

COUNCIL OFFICES,
WANTZ ROAD,
MALDON.

21st September, 1956.

**To the Chairman and Members of the
Maldon Rural District Council.**

Mr. CHAIRMAN, LADIES AND GENTLEMEN,

I present for your consideration my Annual Report on the health and sanitary circumstances of your District for the year 1955.

The corrected birth rate for 1955 was 14.7 per thousand. This is lower than the national figure which was 15 per thousand. There appears to be a falling off of births in the area, the reason for which is uncertain. It has been suggested that a housing policy which gives preference to large families discourages young married couples from starting their own families and hence reduces the total child population. It may be that we are more concerned with rehousing the elderly than providing for a future generation who incidentally will be the people who will keep us in our old age.

The corrected death rate was 9.3 per thousand compared with the figure for England and Wales which was 11.7. This is very satisfactory as it is an improvement on last year's figure and is contrary to the national trend.

Seventy-six per cent of the deaths occurring in the area were over 65 years of age and 51 per cent were over 75 years of age. There were six deaths under 1 year of age.

The number of notifiable infectious diseases, excluding tuberculosis, was 474 compared with 119 in the previous year. This change is accounted for by a measles epidemic, 391 cases being notified.

There were seven cases of poliomyelitis in the area, one of which proved fatal.

There were three new cases of tuberculosis notified during the year and no deaths from this disease. Fortunately tuberculosis is on the decline in this area but it will not be eradicated until there is a greater awareness of the needs of its victims. In this matter the Maldon, Burnham-on-Crouch & District Tuberculosis Care Association is doing excellent work providing the type of help which cannot be provided by the National Health Service.

In preparing this report I am indebted to your Chief Sanitary Inspector, Mr. Turner, and to your Surveyor and Water Engineer, Mr. Nicholson, who have provided much of the material which it contains.

Public Health of recent years has widened its scope and your Medical Officer gives little time to such important matters as housing, water and drainage. These important branches tend to be relegated to factual tables in a report of this nature. They are nevertheless being watched over and developed by other Officers of the Council.

I have the honour to be, Ladies and Gentlemen,

Your obedient Servant,

T. D. BLOTT.

PREVALENCE OF AND CONTROL OVER INFECTIOUS DISEASES.

Notifiable Diseases (other than Tuberculosis) during 1955.

Four hundred and seventy-four cases of notifiable diseases (exclusive of Tuberculosis) came under observation compared with one hundred and nineteen for the previous year.

Notifiable Disease	Total Cases	Under 1										65 and over				Cases admitted to Hospital	Total
		1—2	2—3	3—4	4—5	5—10	10—15	15—20	20—35	35—45	45—65						
Scarlet Fever	17	1	1	2	—	7	2	—	3	1	1	—	—	—	—	—	
Whooping Cough ..	12	1	2	2	—	5	—	—	—	—	—	—	—	—	—	—	
Measles	391	8	21	34	38	51	221	9	3	5	1	—	—	—	—	—	
Pneumonia	8	—	—	1	—	—	—	1	2	1	1	—	—	3	—	—	
Food Poisoning ...	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Acute Poliomyelitis ...	7	—	—	—	—	1	1	—	4	1	—	—	—	—	6	—	
Erysipelas	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Acute Infective Hepatitis	37	—	—	—	1	1	7	8	5	8	4	3	—	—	—	—	
Dysentery	2	—	—	—	—	—	2	—	—	—	—	—	—	—	—	—	
Totals ...	474	9	23	38	41	54	243	20	9	22	8	4	3	6			

No case of Diphtheria has been notified, during the last fourteen years, and no death, from this disease, has occurred during the last 20 years.

The tables of pages 8 and 6 classify cases according to age and parish.

Tuberculosis.

New Cases and Mortality during 1955.

Particulars are given in the following table of new cases of Tuberculosis and of deaths from the disease in the area during 1955.

Age Groups	* New Cases				Deaths			
	Respiratory		Non-Respiratory		Respiratory		Non-Respiratory	
	M.	F.	M.	F.	M.	F.	M.	F.
Under 1	—	—	—	—	—	—
1—5	—	—	—	—	—	—
5—10	—	—	—	—	—	—
10—15	—	—	—	—	—	—
15—20	—	—	—	—	—	—
20—25	—	—	—	—	—	—
25—35	—	—	—	—	—	—
35—45	2	—	—	—	—	—
45—55	—	—	—	—	—	—
55—65	—	—	—	—	—	—
65 and over	...	1	—	—	—	—	—	—
TOTALS		3	—	—	—	—	—	—

* Not including cases of Tuberculosis removed into the district during the year which had been previously notified elsewhere.

Table showing local distribution of infectious diseases
notified during 1955.

PARISH		Scarlet Fever	Whooping Cough	Measles	Pneumonia	Food Poisoning	Acute Poliomyelitis	Erysipelas	Pulmonary Tuberculosis	Other forms of Tuberculosis	Acute Infective H. P. atitis	Dysentery
Althorne	...	2	1	29	11	—	—	—	—	—	—	—
Asheldham	...	1	2	11	5	—	—	—	—	—	—	—
Bradwell-on-Sea	...	—	1	15	3	—	—	—	—	—	—	—
Great Braxted	...	—	—	11	2	—	—	—	—	—	—	—
Little Braxted	...	—	—	5	2	—	—	—	—	—	—	—
Cold Norton	...	—	—	3	1	—	—	—	—	—	—	—
Dengie	...	—	—	1	—	—	—	—	—	—	—	—
North Fambridge	...	—	—	—	—	—	—	—	—	—	—	—
Goldhanger	...	—	4	—	—	—	—	—	—	—	—	—
Hazeleigh	...	—	—	—	—	—	—	—	—	—	—	—
Langford	...	—	—	—	—	—	—	—	—	—	—	—
Latchingdon	...	—	—	34	—	—	—	—	—	—	—	—
Mayland	...	—	—	20	—	—	—	—	—	—	—	—
Mundon	...	—	—	15	—	—	—	—	—	—	—	—
Purleigh	...	—	—	35	—	—	—	—	—	—	—	—
St. Lawrence	...	—	—	1	—	—	—	—	—	—	—	—
Southminster	...	—	—	56	—	—	—	—	—	—	—	—
Steeple	...	—	—	15	—	—	—	—	—	—	—	—
Stow Maries	...	—	—	10	—	—	—	—	—	—	—	—
Tillingham	...	—	4	37	—	—	—	—	—	—	—	—
Tollesbury	...	—	—	10	—	—	—	—	—	—	—	—
Tolleshunt D'Arcy	...	—	—	2	—	—	—	—	—	—	—	—
Tolleshunt Knights	...	—	—	1	—	—	—	—	—	—	—	—
Tolleshunt Major	...	—	—	2	—	—	—	—	—	—	—	—
Great Totham	...	—	—	49	—	—	—	—	—	—	—	—
Little Totham	...	—	—	4	—	—	—	—	—	—	—	—
Ulting	...	—	—	2	—	—	—	—	—	—	—	—
Wickham Bishops	...	—	1	9	—	—	—	—	—	—	—	—
Woodham Mortimer	...	—	—	2	—	—	—	—	—	—	—	—
Woodham Walter	...	—	—	5	—	—	—	—	—	—	—	—
Totals	...	17	12	391	8	—	7	—	3	—	37	2

GENERAL PROVISION OF HEALTH SERVICES FOR THE AREA.

As from 5th July, 1948, all hospitals providing treatment (for patients in the area) have been transferred to Regional Hospital Boards.

INSTITUTIONAL PROVISION FOR UNMARRIED MOTHERS AND ILLEGITIMATE INFANTS IN THE AREA is provided by the Chelmsford Diocesan Moral Welfare Association. Provision for Homeless Children is provided by the Essex County Council.

AMBULANCE FACILITIES.

These are provided free to patients by the Essex County Council.

The ambulance depot for the area is at the Fire Station, London Road, Maldon.

CLINICS AND TREATMENT CENTRES (provided by the County Council).

Tuberculosis Dispensary :

St. Peter's Hospital, Maldon ; each Friday, 2—5 p.m.

Maternity and Child Welfare Centres :

Mayland	Henry Samuel Hall	4th Thursday in each month	Doctor once each quarter 2.30 p.m.
Bradwell-on-Sea	Village Hall	1st Wednesday in each month	Doctor in attendance 2.30 p.m.
Southminster	Baptist Chapel School Room	4th Monday in each month	Doctor in attendance 2 p.m.
Tollesbury	Institute	1st and 3rd Tuesdays in each month	Doctor in attendance 2 p.m.
Wickham Bishops	Church Room	2nd Wednesday in each month	Doctor in attendance 2 p.m.
Althorne	Village Hall	3rd Wednesday 2 p.m.	Doctor in attendance
Great Totham	Village Hall	4th Wednesday 2.30 p.m.	Doctor attends all sessions

Maternity and Child Welfare Centres—contd.

Cold Norton	Village Hall	4th Tuesday in each month 2 p.m.	Doctor in attendance
Tillingham	Village Hall	2nd Thursday in each month 2.30 p.m.	Doctor in attendance
Mundon	Victory Hall	1st Thursday in each month 2 p.m.	Doctor attends alternate months
Heybridge	Waring Hall	2nd and 4th Tuesdays in each month 2 p.m.	Doctor attends 2nd Tuesday
Maldon	Health Centre	Every Friday 2 p.m.	Doctor attends 1st, 3rd, and 5th Fridays
*Woodham Walter	Women's Institute Club Room	3rd or 5th Thursday in each month 2.30 p.m.	Doctor in attendance
*This Clinic has the Medical Officer in attendance only when there are 5 Thursdays in the month and the Clinic is held on that Thursday instead of 3rd Thursday.			
Goldhanger	Village Hall	3rd Thursday in each month 2 p.m.	Doctor in attendance
Tolleshunt D'Arcy	Village Hall	1st Thursday in each month 2.30 p.m.	Doctor in attendance every other month
Great Braxted	Du Cane Arms	1st Wednesday in each month 2.30 p.m.	Weighing centre No doctor in attendance
Woodham Mortimer	Village Hall	2nd Thursday in each month 2—4 p.m.	No doctor in attendance
Latchingdon	Village Hall	4th Wednesday in each month	Doctor attends all sessions

Ante-Natal Clinics

Health Centre, Wantz Chase, Maldon	3rd Tuesday in each month 9.30 a.m.	Doctor in attendance
Institute, Tollesbury	3rd Monday 2 p.m	Doctor in attendance

Women's Welfare Clinic :

Health Centre, Wantz Chase, Maldon	5th Tuesday 10 a.m.	Doctor in attendance
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School Clinics :

Orthopaedic After Treatment Centre	Health Centre, Wantz Chase, Maldon	By appointment
Minor Ailments Clinic	Health Centre, Wantz Chase, Maldon	1st, 3rd & 5th Fridays 9.30 a.m.—12 noon. Doctor in attendance
Eye Clinic	St. Peter's Hospital, Maldon	By appointment
Speech Therapy	Health Centre, Wantz Chase, Maldon	By appointment

Dental Clinics are also held at the Maldon Health Centre and other places in the district as and when required.

For operative treatment for the removal of Adenoids and enlarged Tonsils arrangements have been made by the Essex County Education Committee at the following hospitals :—

Chelmsford and Essex, Chelmsford ; St. John's, Chelmsford and Essex County, Colchester.

Treatment Centres for Venereal Diseases :

These are situated at Chelmsford and Colchester Hospitals Oldchurch County Hospital, Romford, and a number of London General Hospitals.

PROFESSIONAL NURSING IN THE HOME.

(a) General Nursing—this is under the supervision of the County Council.

(b) Infectious Diseases. No arrangements have been made by the District Council.

HOME HELPS. Are provided by the County Council.

LABORATORY FACILITIES. These services are provided by the Essex County Council and Medical Research Council.

During the year no action was taken under Section 47 of National Assistance Act, 1948 (Removal to suitable premises of persons in need of care and attention).

Section 50 of the National Assistance Act, 1948, made the district council responsible for the burial or cremation of the body of any person who has died or been found dead in their area, where no suitable arrangements for the disposal of the body have been or are being made otherwise than by the authority.

Since the passing of the act the following burials were carried out.

1948	...	...	...	...	—
1949	...	...	...	...	1
1950	...	...	...	...	1
1951	...	...	...	...	2
1952	...	...	...	...	1
1953	...	...	...	...	2
1954	...	...	...	...	2
1955	...	...	...	...	2
Total					11

PUBLIC CLEANSING

Nightsoil.

A weekly nightsoil collection from all parishes in the area is carried out by private contractors.

Refuse.

A weekly refuse collection is carried out by contractors in the parishes of Southminster and Tollesbury.

From the remaining parishes, tins and bottles are collected monthly by the Council's workmen.

SANITARY INSPECTION OF THE AREA.

The following table, prepared by the Sanitary Inspector is a classified statement of the number of premises visited, the defects or nuisances discovered, and the action and result of action taken in regard to these.

SANITARY INSPECTION OF THE AREA.

INSPECTIONS		NOTICES		
Nature	Number	Informal	Formal	Total complied with
Dwelling Houses :				
Under Housing Regs.	118	—	—	—
Primary Inspections Re :				
Structural Defects	95	13	—	9
Nuisances	58	26	—	20
Overcrowding	51	—	—	—
Dirty conditions	9	—	—	—
Re Inspections :				
Under Housing Regs.	635	—	—	—
Re Structural defects	306	—	—	—
Nuisances	40	—	—	—
Overcrowding	340	—	—	—
Dirty Conditions	9	1	—	1
Verminous Premises :				
Rats and Mice	199	—	—	—
Other Pests	15	—	—	—
Infectious Diseases				
Inquiries	30	—	—	—
Disinfections	4	—	—	—
Sewage and Drainage :				
House Drainage Inspections	307	20	—	17
Tests	49	—	—	—
Other Forms Inspections	18	1	—	—
Tests	2	—	—	—
Inspections re cesspools	117	12	—	9
Inspections re sewerage	—	—	—	—
Sanitary Conveniences :				
Dwelling Houses	183	3	—	3
Other Premises	20	2	—	2
Water Supply :				
Samples taken	18	—	—	—
Other visits	247	1	—	1
Milk and Dairies Inspections :				
Cowsheds	2	1	—	—
Dairies	3	—	—	—
Milk samples taken	—	—	—	—
Food Inspection :				
Meat	317	1	—	1
Other Foods	15	—	—	—
Inspections Re :				
Licensed Premises	17	—	—	—
Offices	1	—	—	—
Bakehouses	14	—	—	—
Slaughterhouses	318	—	—	—
Butchers' Shops	85	—	—	—
Food Shops	33	—	—	—
Other Shops	11	—	—	—
Ice Cream, Man. Premises	3	—	—	—
Ice Cream, Dealers' Premises	20	—	—	—
Man. Food Premises	23	—	—	—
Restaurants	1	—	—	—
Factories with Mech.	32	—	—	—
Factories without Mech.	3	—	—	—
Workplaces	—	—	—	—
Outworkers Premises	—	—	—	—
Places of Entertainment	1	—	—	—
Knackers' Yards	12	—	—	—
Refuse and Salvage	93	1	—	1
Schools	5	—	—	—
Rivers, Ditches and Streams	65	14	—	7
Swimming Pools	5	—	—	—
Movable Dwelling	46	3	—	2
Fried Fish Shops	1	—	—	—
Stables and Piggeries	4	1	—	1
Miscellaneous Inspections	76	—	—	—
Houseboats	—	—	—	—
TOTALS	4076	100	—	74

Smoke Abatement. No cause for action occurred throughout the year.

Swimming Baths and Pools. There is a small open-air salt-water pool at Tollesbury.

Knackers' Yards. There is one in the district, situated in the parish of Purleigh.

Moveable Dwellings. During the year 7 licences to site moveable dwellings were granted under Section 269 of the Public Health Act, 1936.

Bakehouses. There are 11 in the district, situated in the following parishes :— Goldhanger 1, Purleigh 2, Stow Maries 1, Tillingham 1, Tolleshunt D'Arcy 1, Tollesbury 3, and Wickham Bishops 2.

Regular inspections are carried out. On each inspection the conditions were found satisfactory.

ADMINISTRATION OF THE FACTORIES ACT, 1937.

1.—Inspections for the purposes of provisions as to health. Including inspections made by Sanitary Inspectors.

Premises	Number on Register	Number of		
		Inspections	Written Notices	Occupiers Prosecuted
(i) Factories in which Sections 1, 2, 3, 4 and 6 are to be enforced by Local Authorities	15	3	—	—
(ii) Factories not included in (i) in which Section 7 is enforced by the Local Authority	54	32	—	—
(iii) Other Premises in which Section 7 is enforced by the Local Authority (excluding out-workers' premises)	2	Nil	—	—
TOTAL ...	71	35	—	—

2.—Cases in which Defects were found.

Particulars	Number in which defects were found				Number of Cases in which Prosecutions were Instituted
	Found	Remedied	Referred to H.M. Inspector	Referred by H.M. Inspector	
Want of Cleanliness (S.1)	8	9	—	—	—
Overcrowding (S.2) ...	—	—	—	—	—
Unreasonable Tempera- ture (S.3) ...	—	—	—	—	—
Inadequate Ventilation (S.4) ...	—	—	—	—	—
Ineffective Drainage of Floors (S.6) ...	—	—	—	—	—
Sanitary Conveniences (S.7) :					
Insufficient ...	1	1	—	—	—
Unsuitable or Defec- tive ...	—	—	—	—	—
Not separate for sexes	—	—	—	—	—
Other Offences against the Act (not including of- fences relating to out- work) ...	—	—	—	—	—
TOTAL ...	9	10	—	—	—

OUTWORK (Sections 110-111)

Nature of Work	Section 110		Section 111		Prosecutions
	No. of out-workers in August list required by Sect. 110 (1) (c) (3)	No. of cases of default in sending lists to the Council	No. of instances unwholesome premises	Notices Served	
Making etc.	11	—	—	—	—
Wearing apparel	1	—	—	—	—
Cleaning and washing...	...	—	—	—	—
Lampshades	—	—	—	—	—
Total ...	12	—	—	—	—

INSPECTION AND SUPERVISION OF FOOD.

Milk Supply.

There are 20 distributors (non-producers) of milk in the district which are supervised by the District Council.

Meat Inspection.

The centralisation of killing ceased in July, 1954 and there were in the District at that time nine licensed slaughterhouses.

Killing has since regularly taken place in four of these slaughterhouses and all carcasses killed therein have been inspected.

The following table shows the number of carcasses inspected.

Beasts	Calves	Sheep and Lambs	Pigs
653	82	1,409	1,011

Of the above the following items were found to be diseased and were condemned.

Beasts	...	Heads and tongues	...	18
		Lungs	...	63
		Livers	...	86½
		Part heads	...	1
		Hearts	...	1
		Kidneys	...	4
		Mesenteries	...	3
		Carcase and offal	...	2
		Sirloin and flanks	...	2
		Hindquarter Beef	...	20 lbs.
Sheep	...	Lungs	...	26
		Livers	...	19
Pigs	...	Heads and tongues	...	15
		Lungs	...	17½
		Livers	...	4½
		Kidneys	...	1
		Mesenteries	...	4
		Carcase and offal	...	1
Calves	...	Lungs	...	3
		Carcase and offal	...	2

WATER SUPPLY.

By the end of 1955 a piped water supply from the mains owned by the District Council was available to 93 per cent of the population. The figures for each parish are set out in the table on page 21.

The supply is augmented from two local works:—

Springs at Warren Bottom and Jacobs Well, Woodham Walter.

Springs at Asheldam.

The supplies from these two works are chlorinated.

THURSTABLE HUNDRED WATER SCHEME

Under the Southend Waterworks Act and the South Essex Waterworks Act, the District Council has certain legal rights to be supplied by these companies with a bulk supply of water. The following table gives details of the water supplied to the District for the year ending 31st March, 1956 :—

Source of Supply	Total Gallons	Average Daily
South Essex Waterworks Co. ...	118,425,000	323,000
Southend Waterworks Co. ...	18,518,000	51,000
Lexden and Winstree R.D.C. ...	6,242,000	17,000
Chelmsford R.D.C. ...	14,000	—
Total Amount Purchased ...	143,199,000	391,000
<i>Own Supplies—</i>		
Asheldham	6,879,000	19,000
<i>Woodham Walter—</i>		
Warren Bottom	33,607,000	91,000
Jacobs Well	23,975,000	66,000
Total ...	64,461,000	176,000
Total supplied from all Sources...	207,660,000	567,000

The total amount of water supplied for the previous year was 183,209,000 gallons. During 1955-1956 there were 715 meters in use for non-domestic purposes.

Daily consumption per head per day on an estimated population of 15,300 was :—

Domestic ...	22
Trade ...	15
	—
Total ...	37
	—

Summary of Work Carried Out by Waterworks Department

Description	Year ending 31.3.56	Year ending 31.3.55	Increase or Decrease
New services installed ...	92	115	23 D
New meters installed ...	23	44	21 D
Meters changed on existing supplies ...	40	61	21 D
Meters removed from existing supplies ...	7	5	2 I

<i>Description</i>		<i>Year ending</i>	<i>Year ending</i>	<i>Increase or</i>
		31.3.56	31.3.55	<i>Decrease</i>
Services repaired ...	...	117	118	1 D
Services disconnected	...	2	8	6 D
Mains repaired ...	...	43	42	1 I
New Valves and Hydrants fixed	...	32 V 49 H	12 V 41 H	20 I 8 I
Valves and Hydrants repaired		16 V 24 H	11 V 12 H	5 I 12 I
New mains laid ...	...	1317 yds.	4509 yds.	
Mains renewed ...	...	3105 yds.	80 yds.	

Total mileage of Water Mains of all sizes at 31.3.56, 156 $\frac{1}{4}$ miles.

During the year, water mains have been renewed at—

Scotts Hill, Southminster.

Loddarts Hill, Hazeleigh.

Crown Road, Cold Norton.

Strawberry Lane, Tolleshunt Knights.

And new mains have been laid at—

Smugglers Club, Althorne.

School Road, Wickham Bishops.

Colchester Road, Great Braxted.

**RECORD OF HABITABLE HOUSES AND WATER
SUPPLY AS AT 31st DECEMBER, 1955.**

PARISH	Habitable Houses (not includ- ing Huts or Vans)	No. of Houses on Domestic Water Supply	Within 100 yds. of water main but not supplied	Where piped water supply is not available
Althorne ...	156	153	1	2
Asheldam ...	51	49	—	2
Bradwell-on-Sea ...	248	239	4	5
Braxted, Great ...	117	75	13	29
Braxted, Little ...	44	42	2	—
Cold Norton ...	131	131	—	—
Dengie ...	49	41	—	8
Fambridge, North ...	96	86	9	1
Goldhanger ...	182	173	5	4
Hazeleigh ...	41	37	3	1
Langford ...	58	41	1	16
Latchingdon ...	220	218	2	—
Mayland ...	155	149	6	—
Mundon ...	96	96	—	—
Purleigh ...	308	302	4	2
St. Lawrence ...	112	109	2	1
Southminster ...	517	497	2	18
Steeple ...	127	123	2	2
Stow Maries ...	62	62	—	—
Tillingham ...	266	238	19	9
Tollesbury ...	584	573	8	3
Tolls. D'Arcy ...	295	265	18	12
Tolls. Knights ...	139	139	—	—
Tolls. Major ...	126	113	4	9
Totham, Great ...	443	425	9	9
Totham, Little ...	86	72	4	10
Ulting ...	43	26	—	17
Wickham Bishops ...	297	246	11	40
Woodham Mortimer...	126	122	3	1
Woodham Walter ...	178	136	18	24
TOTALS ...	5353	4978	150	225

Number of properties served by communal standpipes.

Parish	No. of Standpipes	Properties served
T. Major, Pennysbrook ...	1	7

**Number of Properties in District receiving water supply
other than from Maldon Rural District Council.**

Langford and Ulting	...	16	Supplied direct by Southend Waterworks
Cold Norton	...	5	Supplied direct by Southend Waterworks
Ulting	...	3	Supplied by Braintree R.D.C.
Woodham Mortimer	...	4	Supplied by Maldon Borough Council
Goldhanger	...	1	Supplied by Maldon Borough Council
Little Totham	...	4	Supplied by Maldon Borough Council

**Number of Properties outside Maldon Rural District
supplied by Maldon Rural District Council.**

Witham	...	...	...	9
Maldon	...	...	...	5

Sample of Water from Woodham Walter Pumping Station

					<i>Chemical Results in Parts per Million</i>
Appearance	...	...	...	...	Clear and Bright
Turbidity	...	...	...	...	Nil
Colour	...	...	...	...	Nil
Odour	...	...	...	...	Slight chlorinous
pH	...	...	...	...	6.5
Free Carbon Dioxide	...	...	...	...	18
Electric Conductivity	...	...	...	...	390
Total Solids	...	...	...	...	260
Chlorine present as Chloride	...	...	...	...	33
Alkalinity as Calcium Carbonate	...	...	...	...	40

	<i>Chemical Results in Parts per Million</i>			
Hardness : Total	155
Carbonate	40
Non-carbonate	115
Nitrate Nitrogen	8.8
Nitrite Nitrogen	Absent
Ammoniacal Nitrogen	0.000
Oxygen absorbed	0.15
Albuminoid Nitrogen	0.072
Residual Chlorine	0.28
Metals	Iron (less than 0.03)

Bacteriological Results

Number of Colonies developing on Agar

1 day at 37°C.	0 per ml.
2 days at 37°C.	0 per ml.
3 days at 20°C.	0 per ml.

Presumptive Coli-aerogenes Reaction :

Absent 100 ml.

Bact. coli (Type 1)

Absent 100 ml.

Cl. Welchii Reaction

Absent 100 ml.

Report

This sample is clear and bright in appearance and is free from metals apart from a negligible trace of iron. It has, however, a slightly acid reaction on account of which it will show corrosive characteristics. The hardness of the water and its content of mineral and saline constituents in solution are not excessive. Its organic quality and bacterial purity are of a high standard.

These results are indicative of a water which is pure and wholesome in character and suitable for public supply purposes.

SOUTH ESSEX WATERWORKS COMPANY**ANALYSIS OF SAMPLES OF WATER PUMPED FROM THE WORKS
AT LANGHAM AND LAYER-DE-LA-HAYE.****(CHEMICAL RESULTS IN PARTS PER MILLION)**

	Langham	Layer-de-la-Haye
Appearance	Clear and Bright	Clear and Bright
Colour A.P.H.A.	Under 10	Under 10
Turbidity, silica scale ...	Under 0.5	Under 0.5
Odour	Nil	Nil
Taste	Nil	Nil
Electric Conductivity 20°C.	750	600
Total solids 180°C. ...	510	420
Reaction P.H. ...	7.57	7.74
Residual Chlorine ...	0.17	0.25
Chlorides as Cl. ...	81	41
Nitrate Nitrogen ...	2.7	3.9
Nitrites as N ...	Nil	Nil
Hardness, Non-carbonate ...	95	140
" Carbonate ...	235	170
" Total ...	330	310
Free Ammonia ...	0.19	0.11
Albuminoid Nitrogen ...	0.06	0.11
Oxygen absorbed 4hrs. 27°C.	0.60	1.25
Metals (Iron)	Nil	Nil
Colony Count per m.l. on Agar 1 day at 37°C. ...	4	7
Ditto at 20°C. ...	(3 days) 11	(4 days) 22
Presumptive col absent in ...	100 M.L.	100 M.L.
Bact. Coli absent in ...	100 M.L.	100 M.L.
Cl. Welchii	Present	Present
Reaction	Absent	Absent

Sample of Water from the Mains of the Southend Water-works Company.

					<i>Chemical Results in Parts per Million</i>
Appearance	...	...	...	...	Clear and Bright.
Turbidity	...	...	...	...	Nil
Colour	...	...	...	...	3
Odour	...	...	...	...	Slight sweet earthy.
pH	...	...	...	...	9.6
Free Carbon Dioxide	...	...	...	...	Absent
Electric Conductivity	...	...	...	...	470
Total Solids	...	...	...	...	315
Chlorine present as Chloride	...	...	...	...	58
Alkalinity as Calcium Carbonate	...	...	...	...	17
Hardness : Total	...	...	...	...	130
Carbonate	...	...	...	...	17
Non-carbonate	...	...	...	...	113
Nitrate Nitrogen	...	...	...	...	3.0
Nitrite Nitrogen	...	...	...	...	Absent.
Ammoniacal Nitrogen	...	...	...	...	0.000
Oxygen Absorbed	...	...	...	...	0.95
Albuminoid Nitrogen	...	...	...	...	0.085
Residual Chlorine	...	...	...	...	0.05
Metals	...	...	...	...	Absent.

Bacteriological Results

Number of Colonies developing on Agar :

1 day at 37°C. 3 per ml.
2 days at 37°C. 3 per ml.
3 days at 20°C. 14 per ml.

Presumptive Coli-aerogenes Reaction :

Absent 100 ml.

Bact. coli. (Type I) Absent 100 ml.

Cl. Welchii Reaction Absent 100 ml.

Report

This sample is practically clear and bright in appearance and is free from metals. It has an alkaline reaction but not to an excessive degree. The hardness of the water and its content of mineral and saline constituents are very moderate. It is of very satisfactory organic quality and conforms to the highest standard of bacterial purity.

These results are indicative of a water which is pure and wholesome in character and suitable for public supply purposes.

Sample of Water from Asheldham Pumping Station

	<i>Chemical Results in Parts per Million</i>				
Appearance
Turbidity	Less than 3.
Colour	Nil
Odour	Slight chlorinous.
pH	5.6
Free Carbon Dioxide	31
Electric Conductivity	440
Total Solids	295
Chlorine present as Chloride	33
Alkalinity as Calcium Carbonate	10
Hardness : Total	160
Carbonate	10
Non-carbonate	150
Nitrate Nitrogen	15
Nitrite Nitrogen	less than 0.01
Ammoniacal Nitrogen	0.000
Oxygen Absorbed	0.00
Albuminoid Nitrogen	0.000
Residual Chlorine	0.20
Metals	Absent

Bacteriological Results

Number of Colonies developing on Agar

1 day at 37°C.	0 per ml.
2 days at 37°C.	0 per ml.
3 days at 20°C.	0 per ml.

Presumptive Coli-aerogenes Reaction :

Absent 100 ml.

Bact. coli (Type 1)

Absent 100 ml.

Cl. Welchii Reaction :

Absent 100 ml.

Report

This sample is practically clear and bright in appearance and is free from metals. It has, however, a slightly acid reaction due to the content of free CO₂ on account of which it will tend to show corrosive characteristics. The hardness of the water and its content of mineral and saline constituents are moderate and its organic quality and bacterial purity are of a high standard.

These are normal results from the Asheldham pumping station and they are indicative of a pure and wholesome water suitable for public supply purposes.

DRAINAGE AND SEWERAGE.

Southminster and Tollesbury.

During the year works commenced on the resewering and construction of new disposal works at the above villages. It is anticipated that by the end of 1956 most of this work will be completed.

Tolleshunt D'Arcy.

During the year a small settlement tank has been constructed in order to try to improve the effluent but it is still considered that to get a really good effluent some form of filtration is desired.

Tillingham.

These works are obsolete and it is suggested that in the near future consideration should be given to a new disposal works and the re-sewering of the village.

Goldhanger.

A scheme has been constructed to deal with the council houses only, but the works have been sited so as to allow for extensions to take in the whole of the village. Plans are in the course of preparation for the scheme to cover the village.

Purleigh.

New sewers and disposal works have been constructed to deal with the council houses and these are so sited that they can cover the main part of Purleigh village by an extension to the works.

HOUSING

Statistics for the Year, 1955.

Number of new houses erected during the year :—

Total ...	...	...	...	...	...	...	...	54
(i) By the Local Authority	...	...	...	...	...	...	...	23
(ii) By other bodies and persons	...	...	...	...	...	...	...	31

The following table classifies the houses erected and owned by the District Council into Parlour and Non-Parlour types.

PARISH		Parlour Type	Non-Parlour Type	Totals
Althorne	...	—	—	—
Asheldham	...	5	2	7
Bradwell-on-Sea	...	12	6	18
Braxted, Great	...	12	6	18
Braxted, Little	...	—	4	4
Cold Norton	...	—	10	10
Dengie	...	—	8	8
Fambridge, North	...	—	—	—
Goldhanger	...	8	58	66
Hazeleigh	...	—	6	6
Langford	...	—	—	—
Latchingdon	...	26	34	60
Mayland	...	—	12	12
Mundon	...	10	12	22
Purleigh	...	8	37	45
St. Lawrence	...	—	—	—
Southminster	...	54	43	97
Steeple	...	10	12	22
Stow Maries	...	6	12	18
Tillingham	...	20	10	30
Tollesbury	...	48	20	68
Tolleshunt D'Arcy	...	46	16	62
Tolleshunt Knights	...	—	10	10
Tolleshunt Major	...	6	11	17
Totham, Great	...	61	33	94
Totham, Little	...	4	7	11
Ulting	...	—	—	—
Wickham Bishops	...	31	26	57
Woodham Mortimer	...	12	6	18
Woodham Walter	...	14	12	26
TOTALS	...	393	413	806

The total includes six Coastguard cottages (parlour) re-erected on a new site in Bradwell-on-Sea and buildings at Asheldham and Southminster converted into six dwellings, nine cottages (non-parlour) purchased by the Council at Wickham Bishops, and eighteen agricultural cottages (parlour) at Asheldham (4), Southminster (4), Steeple (6) and Tolleshunt D'Arcy (4).

Table showing Census Population 1951 and 1931, and Number of Houses Census 1951 and December, 1955.

PARISH	Area in statute acres (land and inland water)	Tidal water and fore- shore	Num- ber of Houses 1951	Census Population		Number of Houses at end of Dec. 1955 excl. of hutments
				1951	1931	
Althorne ...	2080	255	150	451	390	156
Asheldham ...	1310	—	51	170	168	51
Bradwell-on-Sea ...	5221	4230	217	680	657	248
Braxted Great ...	2634	—	115	363	282	117
Braxted Little ...	622	—	45	162	116	44
Cold Norton ...	1692	—	129	401	384	131
Dengie ...	2856	1186	45	165	192	49
Fambridge North ...	1242	107	86	278	168	96
Goldhanger ...	1622	—	157	462	353	182
Hazeleigh ...	991	—	34	114	114	41
Langford ...	991	3	44	153	169	58
Latchingdon ...	3992	207	188	595	419	220
Mayland ...	1870	—	141	426	360	155
Mundon ...	3312	—	91	324	251	96
Purleigh ...	5535	87	279	886	770	308
St. Lawrence ...	2139	324	50	151	71	112
Southminster ...	6512	828	472	1444	1403	517
Steeple ...	2709	47	106	330	343	127
Stow Maries ...	1610	82	56	182	165	62
Tillingham ...	4928	2593	241	683	670	266
Tollesbury ...	4839	2019	539	1594	1694	584
Tolleshunt D'Arcy ...	4104	415	248	758	748	295
Tolleshunt Knights	1926	—	133	405	252	139
Tolleshunt Major ...	2253	2	126	403	370	126
Totham Great ...	3589	—	395	1221	982	443
Totham Little ...	1281	—	86	292	293	86
Ulting ...	1034	—	44	132	143	43
Wickham Bishops ...	1606	—	275	866	639	297
Woodham Mortimer	1387	—	105	341	268	126
Woodham Walter ...	2620	—	173	531	514	178
TOTALS ...	78507	12385	4821	14963	13348	5353

STATISTICS AND SOCIAL CONDITIONS OF THE AREA.

Area (acres)	78,507 (land and inland water)
Home Population (estimated June, 1955)	15,100
Census Population, 1951 ...	14,963 (males 7,331, Females 7,632)
Census Population, 1931	13,348
Number of inhabited houses 1951 census	... ... ... 4,821
Estimated number of houses at end of 1955	... ... ... 5,353
Rateable Value at 1st April, 1955	... ... ... £100,937
Product of a Penny Rate for the year ending :—	
31st March, 1955	... ... ... £397 13 9
31st March, 1956	... ... ... £410 5 3
Persons per household at Census 1951	... ... ... 3.08
Persons per household at Census 1931	... ... ... 3.39

Except in certain centres, the District is sparsely populated. Nearly half of the population is directly or indirectly dependent upon agriculture.

EXTRACTS FROM VITAL STATISTICS OF THE YEAR.

		<i>Male</i>	<i>Female</i>	<i>Total</i>
Live Births.	Legitimate	95	87	182
	Illegitimate	9	4	13
Still Births.	Legitimate	—	4	4
	Illegitimate	1	1	2
Crude birth rate per thousand of the population				12.9
Corrected birth rate per thousand of the population				14.7
Birth rate for England and Wales per thousand of the population				15.0
		<i>Male</i>	<i>Female</i>	<i>Total</i>
Deaths	...	99	86	185
Crude death rate per thousand of the population				12.3
Corrected death rate per thousand of the population				9.3
Death rate for England and Wales per thousand of the population				11.7
Deaths :—				
Pregnancy, Childbirth, Abortion	...	...	...	1
Number of deaths of infants under 1 year of age :—				
Males 3 (illegitimate Nil), Females 3 (illegitimate Nil)				
				Total 6

Deaths of Infants under 1 year of age:—

Legitimate per 1,000	Legitimate Live Births	...	30.8
Illegitimate „ „	Illegitimate „ „	...	Nil

Deaths from Malignant neoplasms (all ages)	...	...	25
„ „ Measles (all ages)	...	...	Nil
„ „ Whooping Cough (all ages)	...	...	Nil
„ „ Diarrhoea (under 2 years of age)	...	...	Nil

The following tabular statements give details of the number of deaths classified according to age and cause:—

Age		Number of deaths							
		Occurring in district		Of non-residents occurring in district		Of residents occurring outside district		Allotted to district	
		M	F	M	F	M	F	M	F
Under 1 year	...	1	—	—	—	2	3	3	3
1 and under	2	—	—	—	—	—	—	—	—
2 „ „	5	—	—	—	—	—	—	—	—
5 „ „	15	2	—	—	—	2	—	4	—
15 „ „	25	—	—	—	—	1	1	1	1
25 „ „	35	—	—	—	—	2	1	2	1
35 „ „	45	—	1	—	—	3	3	3	4
45 „ „	55	3	2	1	—	3	—	5	2
55 „ „	65	6	1	—	—	4	3	10	4
65 „ „	75	15	12	—	1	13	9	28	20
75 and over	...	27	31	2	2	18	22	43	51
TOTALS	...	54	47	3	3	48	42	99	86
GRAND TOTALS	...	101		6		90		185	

Causes of Death	Males	Females	Totals
Tuberculosis, respiratory.	—	—	—
Tuberculosis, other	—	—	—
Syphilitic disease...	—	—	—
Diphtheria	—	—	—
Whooping Cough...	—	—	—
Meningococcal Infections	—	—	—
Acute Poliomyelitis	1	—	1
Measles	—	—	—
Other Infective and Parasitic Diseases	—	—	—
Malignant Neoplasm, Stomach	1	3	4
Malignant Neoplasm, Lung, Bronchus	3	1	4
Malignant Neoplasm, Breast	—	1	1
Malignant Neoplasm, Uterus	—	1	1
Other Malignant and Lymphatic Neoplasms	9	6	15
Leukaemia, Aleukaemia...	—	—	—
Diabetes	1	—	1
Vascular Lesions of Nervous System	10	19	29
Coronary Disease, Angina	13	6	19
Hypertension with Heart Disease	1	1	2
Other Heart Disease	17	24	41
Other Circulatory Disease	4	7	11
Influenza	—	2	2
Pneumonia	4	2	6
Bronchitis...	8	—	8
Other Diseases of Respiratory System	1	2	3
Ulcer of Stomach and Duodenum	6	—	6
Gastritis, Enteritis and Diarrhoea	1	—	1
Nephritis and Nephrosis	1	—	1
Hyperplasia of Prostate	3	—	3
Pregnancy, Childbirth, Abortion	—	1	1
Congenital Malformations	1	—	1
Other defined and ill-defined diseases	9	9	18
Motor vehicle accidents	2	1	3
All other accidents	2	—	2
Suicide	1	—	1
Homicide and operations of war	—	—	—
Totals	99	86	185

